

Exhibit 31

Excerpts of SW-SEC00012332



ENTERPRISE INFORMATION SECURITY GUIDELINES

Version 1.4

November 8, 2017

Information Technology

5. SERVER HARDENING

- 5.1. Server operating systems must be an official SolarWinds licensed and supported version.
- 5.2. Appropriate vendor supplied security patches and firmware updates must be applied.
- 5.3. Unnecessary software, system services, protocols, ports, and drivers must be removed.
- 5.4. Servers must be configured with enterprise managed anti-virus, anti-malware software, and a host based firewall. Exceptions shall be granted on a case by case basis.
- 5.5. Local system accounts and credentials should not be used. The default administrator account should be renamed. Guest accounts should be renamed and disabled. Do not allow auto-login and ensure that a session timeout is configured to log a user out after a defined period of time in accordance with the access control guidelines.
- 5.6. Appropriate local file system/sharing permissions, local/physical security, reporting, intrusion detection, and logging/auditing must be enabled.
- 5.7. Appropriate Domain-based Active Directory server based group policies must be enforced. Exceptions shall be granted on a case by case basis.
- 5.8. Post-Install operating system, utility/system service patches, database, web, and application security patches shall be pre-tested and deployed on a regular basis against similar systems before rolling out to the production environment.
- 5.9. Periodic audits of server compliance shall be conducted at least annually. Results shall be documented and any deficiencies corrected.

6. IN HOUSE APPLICATIONS THAT ACCESS, MANAGE OR STORE DATA

- 6.1. Access Control and Domain authentication.
- 6.2. Privileged access controlled especially for databases/data stores.
- 6.3. IT audit and monitoring enabled.
- 6.4. Data classified as moderate or higher should be encrypted or anonymized if possible
- 6.5. If unable to encrypt or anonymize data, a need to know model should be enabled and increased audit frequency and inspection of access should be completed.
- 6.6. Passwords cannot contain the user's account name or parts of the user's full name that exceed two consecutive characters.
 - 6.6.1. Passwords must be at least 8 characters in length.
 - 6.6.2. Passwords must contain characters from three of the following four categories:
 - 6.6.3. English uppercase characters (A through Z).
 - 6.6.4. English lowercase characters (a through z).
 - 6.6.5. Base 10 digits (0 through 9).
 - 6.6.6. Non-alphabetic characters (for example, !, \$, #, %).

VERSION CONTROL

Version	Date	Author	Description/Revision
1.0	9/26/17	T.Brown	Development of GDPR Access Guidelines
1.2	9/28/17	T. Brown	Deprecated policy and changed to guidelines. Added logging, auditing, and hardening requirements
1.2	10/3/17	K.Pierce	Revised formatting and added differences between v1.0 and 1.2
1.3	10/17/2017	T.Brown	Added Secure Delete
1.4	11/8/2017	E. Quitugua	Provided clarification around password requirements
1.4.1	11/8/2017	R.Johnson	Updated 9. Product Development Requirements based on SDL Updated 12. Data Classification with FISMA matrix